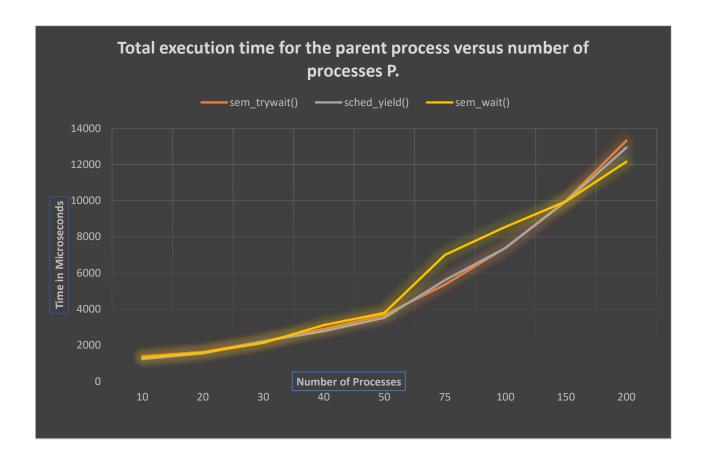
Total execution time for the parent process versus number of processes P.

Number of Children	sem_trywait()	sched_yield()	sem_wait()
10	1391	1229	1302
20	1619	1545	1586
30	2217	2213	2128
40	2901	2774	3107
50	3663	3517	3782
75	5352	5596	6996
100	7383	7376	8550
150	9991	9960	9957
200	13325	12937	12158

As per the reading of the total execution of the parent process, it has been seen that the sem_trywait() takes more time than other locks. The sequence of time required to execute is sem_trywait() > sched_yield() > sem_wait()



The average time to acquire the lock in each child process versus the number of processes P.

Number of Children	sem_trywait()	sched_yield()	sem_wait()
10	4	4	4
20	6	7	6
30	8	7	9
40	9	9	10
50	12	11	11
75	12	13	12
100	13	14	15
150	17	15	16
200	19	18	17

It has been observed that the average time required to aquire lock by each child is greater in sem_trywait() than other two locks. The average time ranging from 12microseconds to 19 microseconds for the following locks sem_trywait(), sched_yield() and sem_wait()

